

## ABSTRACT

A method of incorporating allocations of network access in a DOCSIS 1.0 compliant cable network, wherein users compete for bandwidth, includes limiting bandwidth consumed by a cable modem of a user to a value representative of that user's bandwidth allocation for a time interval. Preferably, the method includes the steps of:

- (a) generating cable modem configuration files, each of which limits bandwidth consumption by a cable modem of a user to a bandwidth allowance of that user equaling to the respective bandwidth allocation;
- (b) sending the configuration files to a Trivial File Transfer Protocol (TFTP) Server of the DOC Network; and
- (c) sending a command either to each user's cable modem, or to a cable modem termination system to which each user's cable modem is connected, to cause the cable modem to implement the respective new configuration file.